

APPENDIX OF PENDING CLAIMS

1. A method for the treatment of metanephric tissue that is transplanted into a recipient comprising contacting said metanephric tissue with a growth factor-containing composition comprising one or more growth factors for metanephric development.
2. (Amended) The method of claim 1 wherein said growth factor-containing composition comprises [one or more growth factor selected from the group consisting of] insulin-like growth factor I[, insulin-like growth factor II, transforming growth factor alpha, transforming growth factor beta, acidic fibroblast growth factor, basic fibroblast growth factor, vascular endothelial growth factor, platelet-derived growth factor, nerve growth factor, transferrin, prostaglandin E₁, sodium selenite, vitamin A, and growth hormone].
3. The method of claim 1 wherein said metanephric tissue is contacted with said growth factor-containing composition *in vitro* prior to transplanting said metanephric tissue into said recipient.
4. The method of claim 3 wherein said metanephric tissue is contacted with said growth factor-containing composition for less than 8 hours.
5. The method of claim 3 wherein said metanephric tissue is contacted with said growth factor-containing composition for less than 2 hours.
6. The method of claim 1 wherein said metanephric tissue is contacted with said growth factor-containing composition *in vivo*, after being transplanted into said recipient.
7. The method of claim 6 wherein said growth factor-containing composition is administered to said metanephric tissue at the time a ureteroureterostomy is performed.
8. The method of claim 6 wherein said growth factor-containing composition is administered to said metanephric tissue by an osmotic pump.
9. The method of claim 6 wherein said growth factor-containing composition is administered to said recipient such that said one or more growth factors for metanephric development are present in said recipient's blood that circulates through said metanephric tissue.
10. The method of claim 1 wherein said metanephric tissue is obtained from an embryonic pig, and said growth factor-containing composition comprises somatotropin.
11. The method of claim 1 wherein said metanephric tissue is obtained from an embryonic pig, and said growth factor-containing composition comprises IGF-I.
12. The method of claim 1 wherein said growth factor-containing composition comprises insulin-like growth factor II.
13. The method of claim 1 wherein said growth factor-containing composition comprises transforming growth factor alpha.

14. The method of claim 1 wherein said growth factor-containing composition comprises transforming growth factor beta.
15. The method of claim 1 wherein said growth factor-containing composition comprises acidic fibroblast growth factor.
16. The method of claim 1 wherein said growth factor-containing composition comprises basic fibroblast growth factor.
17. The method of claim 1 wherein said growth factor-containing composition comprises vascular endothelial growth factor.
18. The method of claim 1 wherein said growth factor-containing composition comprises platelet-derived growth factor.
19. The method of claim 1 wherein said growth factor-containing composition comprises nerve growth factor.
20. The method of claim 1 wherein said growth factor-containing composition comprises vitamin A.
21. The method of claim 1 wherein said growth factor-containing composition comprises growth hormone.